

**Reporting Title:** Molybdenum, S**Performing Location:** Mayo Clinic Laboratories - Rochester Superior Drive**Specimen Requirements:****Patient Preparation:** High concentrations of gadolinium and iodine are known to potentially interfere with most inductively coupled plasma mass spectrometry-based metal tests. If either gadolinium- or iodine-containing contrast media has been administered, **a specimen should not be collected for 96 hours.****Supplies:**

-Metal Free B-D Tube (No Additive), 6 mL (T184)

-Metal Free Specimen Vial (T173)

**Collection Container/Tube:** Plain, royal blue-top Vacutainer plastic trace element blood collection tube**Submission Container/Tube:** 7-mL Mayo metal-free, screw-capped, polypropylene vial**Specimen Volume:** 1.6 mL**Collection Instructions:**

1. Allow specimen to clot for 30 minutes; then centrifuge the specimen to separate serum from the cellular fraction.
2. Remove the stopper. Carefully pour specimen into a Mayo metal-free, polypropylene vial, avoiding transfer of the cellular components of blood. **Do not** insert a pipet into the serum to accomplish transfer, and **do not** ream the specimen with a wooden stick to assist with serum transfer.
3. See [Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	METAL FREE
	Ambient	14 days	METAL FREE
	Frozen	14 days	METAL FREE

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
89270	Molybdenum, S	Numeric	ng/mL	5698-6

LOINC® and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

83018

**Reference Values:**

0.3-2.0 ng/mL